

CLAIMS

I/We claim:

- [c1] 1. A testing apparatus, comprising:
a testing device for inspecting an object;
an accumulator for supplying power to said testing device;
a first terminal for providing signals transferring route between said testing device and the object, and also providing a charging route for said accumulator; and
a switch to determine status of said testing device, wherein said status includes testing mode or charging mode.
- [c2] 2. The testing apparatus according to claim 1, further comprising a second terminal.
- [c3] 3. The testing apparatus according to claim 2, wherein said second terminal electrically connects to ground.
- [c4] 4. The testing apparatus according to claim 2, wherein said testing device is a multimeter.
- [c5] 5. The testing apparatus according to claim 2, wherein said testing device is an oscilloscope.
- [c6] 6. The testing apparatus according to claim 2, wherein said testing device is a process calibrator.
- [c7] 7. The testing apparatus according to claim 2, wherein said testing device is a process meter.

- [c8] 8. The testing apparatus according to claim 1, wherein said testing device is a temperature sensor.
- [c9] 9. The testing apparatus according to claim 1, wherein said testing device is a gaseous detector.
- [c10] 10. The testing apparatus according to claim 1, wherein said testing device is a fluid sensor.
- [c11] 11. The testing apparatus according to claim 1, wherein said accumulator is selected from the group consisting of lithium battery, hydrogen-nickel battery, and cadmium-nickel battery.
- [c12] 12. The testing apparatus according to claim 1, further comprising a display device to show the status of said testing apparatus.
- [c13] 13. An electricity meter, comprising:
 a meter for inspecting electric characteristic of an object;
 an accumulator for providing power to said meter;
 two terminals for providing electric signals transferring route of said meter
 and charging route of said accumulator;
 a switch to determine status of said meter, wherein said status includes
 testing mode or charging mode; and
 a display device for displaying the status of said meter.
- [c14] 14. The electricity meter according to claim 13, wherein said meter is a multifunction meter.
- [c15] 15. The electricity meter according to claim 13, wherein said meter is an oscilloscope.

- [c16] 16. An apparatus charged via signal terminals, said apparatus comprising:
- an electronic device;
 - an accumulator for providing electric power to said electric device;
 - a terminal providing signals transferring route of said electronic device and a charging route for said accumulator; and
 - a switch to determine status of said electronic device, wherein said status includes processing mode or charging mode.
- [c17] 17. The apparatus according to claim 16, wherein said electronic device is a mobile communicating device.
- [c18] 18. The apparatus according to claim 16, wherein said electronic device is a personal digital assistant.
- [c19] 19. The apparatus according to claim 16, wherein said accumulator is selected from the group consisting of lithium battery, nickel-metal-hydride battery, and nickel-cadmium battery.
- [c20] 20. The apparatus according to claim 16, wherein said switch detects said electronic device in processing mode or in charging mode automatically.
- [c21] 21. The apparatus according to claim 20, further comprising a display device for displaying the status of said electronic device.